

<p>98-052915/06 CHINA PETRO CHEM CORP 95.06.14 95CN-106349 (96.12.18) B01J 23/72, 23/26, 23/34</p> <p><b>Catalyst for preparation of specified butane-diol by gas-phase hydrogenation</b></p> <p><b>C98-018265</b></p> <p>Addnl. Data: ZHANG X, TONG W, WANG H</p>	<p>A41 E17 J04 *CN 1137944-A</p> <p><b>CHPE- 95.06.14</b></p> <p><b>Catalyst for preparation of specified butane-diol by gas-phase hydrogenation</b></p> <p><b>C98-018265</b></p>	<p>A(1-E14) E(10-E4B, 35) J(4-E4B) N(1-B, 1-C, 2-D, 3)</p>
<p>The catalyst for preparing 1,4-butanediol by gas-phase hydrogenation of maleic anhydride and/or its ester has the formula <math>\text{CuCr}_x\text{Mn}_y\text{Ba}_z\text{M}_w\text{O}_x</math>: where M is Al or Ti, a = 0.1-2, b = 0.05-1, c = 0.05-1.5, d = 0.05-1.5, and x is the number of oxygen atoms needed for satisfying the atom valences of metals. When the volume space speed of the gas is up to 90/hr., the conversion rate of anhydride and/or ester is up to 100% and selectivity of 1,4- butanediol is up to 80 mol% or more. (10pp)</p>		<p><b>CN 1137944-A</b></p>